

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
DEPARTMENT OF PLANT BIOLOGY
FIRST SEMESTER (BTECH.) EXAMINATION, 2017/2018 SESSION

COURSE CODE: PLB 211
COURSE TITLE: SEEDLESS PLANTS
COURSE UNIT: 3
TIME ALLOWED: 2 HOURS

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS IN ALL; TWO (2) QUESTIONS FROM EACH SECTION

SECTION A

- 1 a. The dispute on ownership of "Euglenoids" by Botanists and Zoologists have remain unresolved, state two reasons each to support both parties.
- b. State one problem that led to John Hogg and Ernst Haeckel proposal of a third Kingdom system.
- c. List the six-kingdoms proposed by Woese and co-authors
2. With the aid well-labelled diagram, describe the traditional approach to evolution of algae
3. Write notes on reproduction in diatoms

SECTION B

4. Discuss the origin and evolution of Pteridophytes
5. With the aid of well labeled diagram, discuss alternation of generation in *Marchantia*
- 6 a. Outline the general characteristics of bryophytes
- b. Give general classification of Bryophytes